

LITHIUM METAL OXIDES

ABSTRACT OF THE DISCLOSURE

Lithium metal oxide particles have been produced having average diameters less than about 100 nm. Composite metal oxides of particular interest include, for example, lithium cobalt
5 oxide, lithium nickel oxide, lithium titanium oxides and derivatives thereof. These nanoparticles composite metal oxides can be used as electroactive particles in lithium or lithium ion batteries. Batteries of particular interest include lithium titanium oxide in the negative electrode and lithium cobalt manganese oxide in the positive electrode.